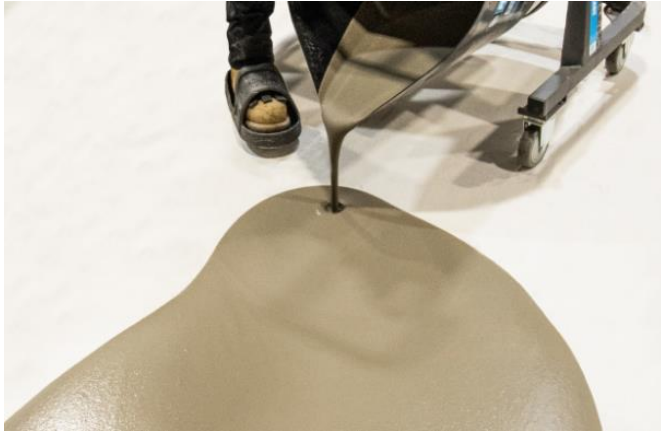




For the Builders
of a Better World™

NXT® Level Plus

NXT Level Plus is a high quality, cement-based, pumpable, free-flowing underlayment for use in leveling interior screed, polymer cementitious topping and concrete substrates. Rapid setting formula produces a flat, smooth and hard surface for the installation of finished flooring after 12 hours.



FEATURES/BENEFITS

- Finish floor goods can be applied quickly, as soon as 12 hours after.
- High compressive strength.
- Easy to use, free-flowing.
- Inorganic; will not contribute to mold/mildew growth.
- Long heal time for extended workability.
- Low shrinkage.
- Compatible with most adhesives.
- Can be applied directly over concrete testing at RH of 100% or less per ASTM F2170.

USES

- Used to level floor & correct any surface irregularities of substrate before tiling floor, installation of stone, wood, carpet etc.
- Fix uneven surfaces, smoothing rough, spalled concrete & finishing rough screed concrete slab especially floor surface.
- Interior and dry areas for new and upgrading projects in both residential and commercial applications.

MANUFACTURER/ DISTRIBUTED BY

LATICRETE South East Asia Pte Ltd
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Telephone: +65 6515 3028 Fax: +65 6515 3037
Internet: se.laticrete.com

STANDARDS/CERTIFICATIONS

- ASTM C1583
- ASTM C1708
- ASTM C191

Suitable Substrates

- Concrete
- Cement mortar beds
- Cement backer board*
- LATICRETE® MVB**
- Cement tile & stone**
- Exterior glue plywood**
- Cement terrazzo**

* Consult cement backer board manufacturer for specific installation recommendations.

** See 5. Installation - Surface Preparation

Packaging

25kg bag, 80 bags per pallet

Color: Default Grey

Coverage

Yield/coverage is only an estimate and may vary depending on the mixing ratio and field conditions.

25kg bag of NXT Level Plus will yield approximately 15 - 16m² per mm thick.

Shelf Life

Factory sealed bag of this product are guaranteed to be of first quality for (6) months* if stored off the ground in a dry area, at temperatures 0 - 40 °C.

* High humidity will reduce the shelf life of bagged product.

Limitations

- Do not install NXT Level Plus over particleboard, chip board, hardboard (Masonite), Luan panels, asbestos, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- For interior use only.
- Do not install when surface temperature is below 4°C or above 32°C.
- Do not install over-painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Never mix with cement or admixtures.
- Do not apply NXT Level Plus over waterproofing or crack isolation membranes.
- Adhesive/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane on top of the dry NXT Level Plus.
- Not for use in submerged applications.
- Not for use as a wear surface.
- Crack isolation properties are not applicable when using NXT Level Plus.

- Maximum allowable deflection for cement self-leveling underlayment over wood floors is L/360 per ASTM F2873.
- Cracks are common and expected with unstable substrates (ie. Plywood). Cracks are not considered a product defect. LATICRETE cannot predict if or to what extent cracking will occur.
- The colour tone of the finished surface varies depending on mixing, water dosage and substrate conditions. However, it will not affect the product performance.

Cautions

Before using any LATICRETE product:

- Check se.laticrete.com for any technical bulletins or updated information about the product and its application.
- Contact your local LATICRETE Technical Sales representative with any questions.
- Consult the Safety Data Sheet for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Performance Properties

Test	Test Method	Results
Pour Depth	ASTM C1708	3mm – 10mm. Consult Technical Services for Depths Over 10mm. Can be tapered to zero at edges.
Walkable	ASTM C191	2 - 3 hours at 21 °C
Tensile Strength (28 days)	ASTM C1583	1.9 – 2.1MPa
Flexural Strength	ASTM C1708	5.2 – 6.9MPa
Compressive Strength	ASTM C1708	28 day ≥30.0MPa
Set Time	ASTM C1708	Initial < 45min Final < 60min

* All results are averages

* Tested at 21°C and 50% RH

INSTALLATION SYSTEM

Surface Preparation

- Refer to TDS 230 substrate preparation and primer guide for LATICRETE self-leveling products for more detailed surface preparation.
- NXT Level Plus does not need lath when applied over Plywood substrates.

Installation over Wooden Sub-floors

Verify that the wood substrate is APA-rated Type 1, exterior exposure plywood. Must be stable and structurally sound enough to support total anticipated live, dead and impact loads. Maximum allowable deflection for cement self-leveling underlayment over wood floors is L/360 per ASTM F2873.

- Ceramic tile is L/360
- Natural stone is L480

Some floor covering products will need a more stringent deflection. Consult with floor covering manufacturer for their requirements.

The wood substrate must be clean and free of any contaminants. The substrate can be sanded, if necessary, then swept, vacuumed, and properly primed. O lath is required with NXT Level Plus.

Priming

- See TDS 230 substrate preparation and primer guide for LATICRETE self-levelling product for more detailed dilution, approximate coverage and application instruction. Use 282 Mortar Admix, Admix & Primer or general epoxy primer (with sand broadcast).

Note: Keep primed surface clean. Do not allow any foot traffic onto the surface.

Mixing

NXT Level Plus should be mixed with 5.5 – 6.0L of water per 25kg bag. Do not over water. For manual application, add product to water and mix for 2 – 3 min with heavy duty drill (650rpm) to obtain a lump free mix. NXT Level Plus can also be used in most pump equipment. Please consult with a LATICRETE representative to verify equipment compatibility.

A flow test should always be performed to ensure that the mix is homogeneous and free from separation. See TDS 235 – Self-Leveling Underlayment Flow Test for more detailed instructions on performing flow tests. The ideal flow range for NXT Level Plus is 10" to 12" when using a large flow ring of 5" to 6" using small flow ring.

Application

Substrate temperature must be between 5°C – 40°C during application and air temperature maintained between 10°C – 32°C. Protect areas from direct sunlight. Do not use damp curing methods, curing compounds or sealers. If required to meet level tolerances, survey surface using a digital or electronic levelling device and apply level pegs as required.

Adequate ventilation should be provided to ensure uniform drying. Immediately following placement, lightly smooth the surface and pour lines. When not using elevation pins, the use of a gauge rake will assist in controlling material depth. Do not expose NXT Level Plus to rolling dynamic loads, such as forklifts or scissor lifts, for at least 72 hours after installation at 21°C.

Proper application is the responsibility of the user. Field visits by LATICRETE personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Flooring Installation

- Immediately before installation of flooring, as recommended by flooring and adhesive manufacturer and in accordance ASTM F2873 – Installation of Self-Leveling Underlayment & Preparation of Surface to Receive Resilient Flooring, the self-leveling surface may require preparation including cleaned of all loose material by scraping, sanding, vacuuming, and primer application or a combination thereof.
- Conduct surface review including porosity tests, surface temperature, bond testing (Mat Bond Test), and other surface evaluation as required by flooring and adhesive manufacturer and in accordance with National Floor Covering Association (NFCA) Floor Covering Reference Manual. Also identify and report any concerns for delaminated or loose areas, surface profile and surface flatness to project manager/General Contractor for additional surface prep, correction, adjustment before starting installation of floor covering materials.
- Always test performance, suitability and compatibility of finished floor systems prior to their application. Conduct bond testing in accordance with flooring and adhesive manufacturer and ASTM F3311 – Mat Bond Evaluation of Performance and Compatibility for Resilient Flooring.
- In good drying conditions (ambient air temperature 18°C – 24°C/40 – 60% RH) finished floor covering may be installed 12 hours after installation of NXT Level Plus.
- Non-moisture sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 2 – 3 hours.
- Lower temperatures, higher RH, poor ventilation, and thicker self-leveling application will extend self-leveler dry time.
- NXT self-leveling products are not a vapour barrier and will allow passage of moisture vapour. Prior to installing NXT self-leveling products, the concrete must be tested for moisture conditions. If the concrete moisture conditions exceed the floor covering manufacturer's requirements for the finished flooring a moisture mitigation epoxy must be applied before installing NXT self-leveling. Use Moisture Vapor Barrier (MVB) or Vapor Ban Primer ER prior to installing NXT self-leveling products.

- Steel-wheeled traffic is not recommended as it can cause damage to the surface. Important when installing floor finishes such as VCT, LVT or sheet vinyl. Which require extremely flat surfaces.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY materials are available worldwide. For distributor information, call:

Telephone: (65) 6515-3028

Fax: (65) 6515-3037

For on-line distributor information, visit LATICRETE at se.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE South East Asia Pte Ltd warrants that NXT Level Plus is free from manufacturing defects and will not to break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to terms and conditions stated.

MAINTENANCE

LATICRETE grouts require routine cleaning with a neutral pH detergent and water. All stone and tiles should be maintained and sealed with STONETECH® products as appropriate for the specific tile / stone and installation situation.

All other LATICRETE materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES

Technical Assistance

Information is available by calling:

LATICRETE South East Asia Pte Ltd

No. 38 Sungei Kadut Street 2

(Level 2, A3)

Singapore 729245

Telephone: (65) 6515-3028

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Email: enquiry@laticrete.com.sg

Technical and safety literature

To acquire technical and safety literature, please visit our website at se.laticrete.com

Disclaimer

LATICRETE is not responsible for product use beyond its intended application. Liability is limited to replacing defective materials. We are not responsible for any loss or damage resulting from improper use. Product specifications are subject to change without notice. For the most up-to-date information, please visit our website at se.laticrete.com.